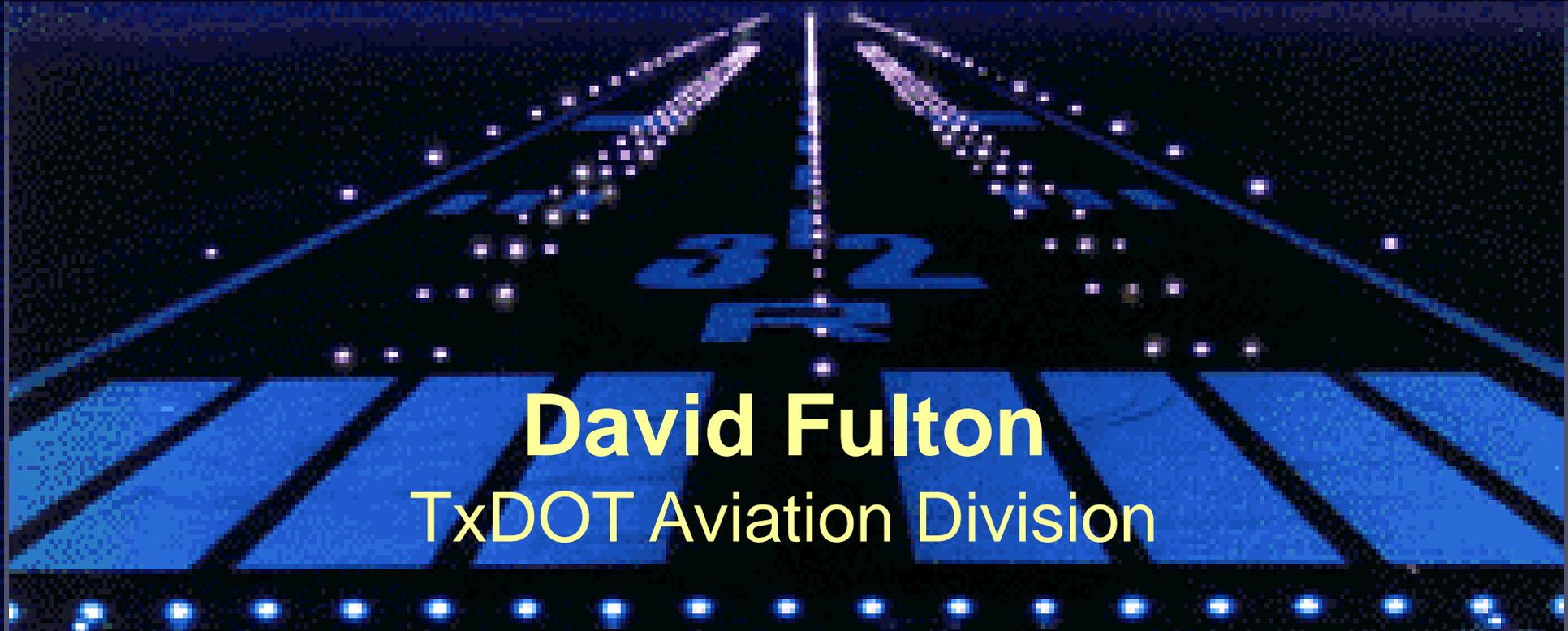


TxDOT Aviation Division

The Texas Airport System

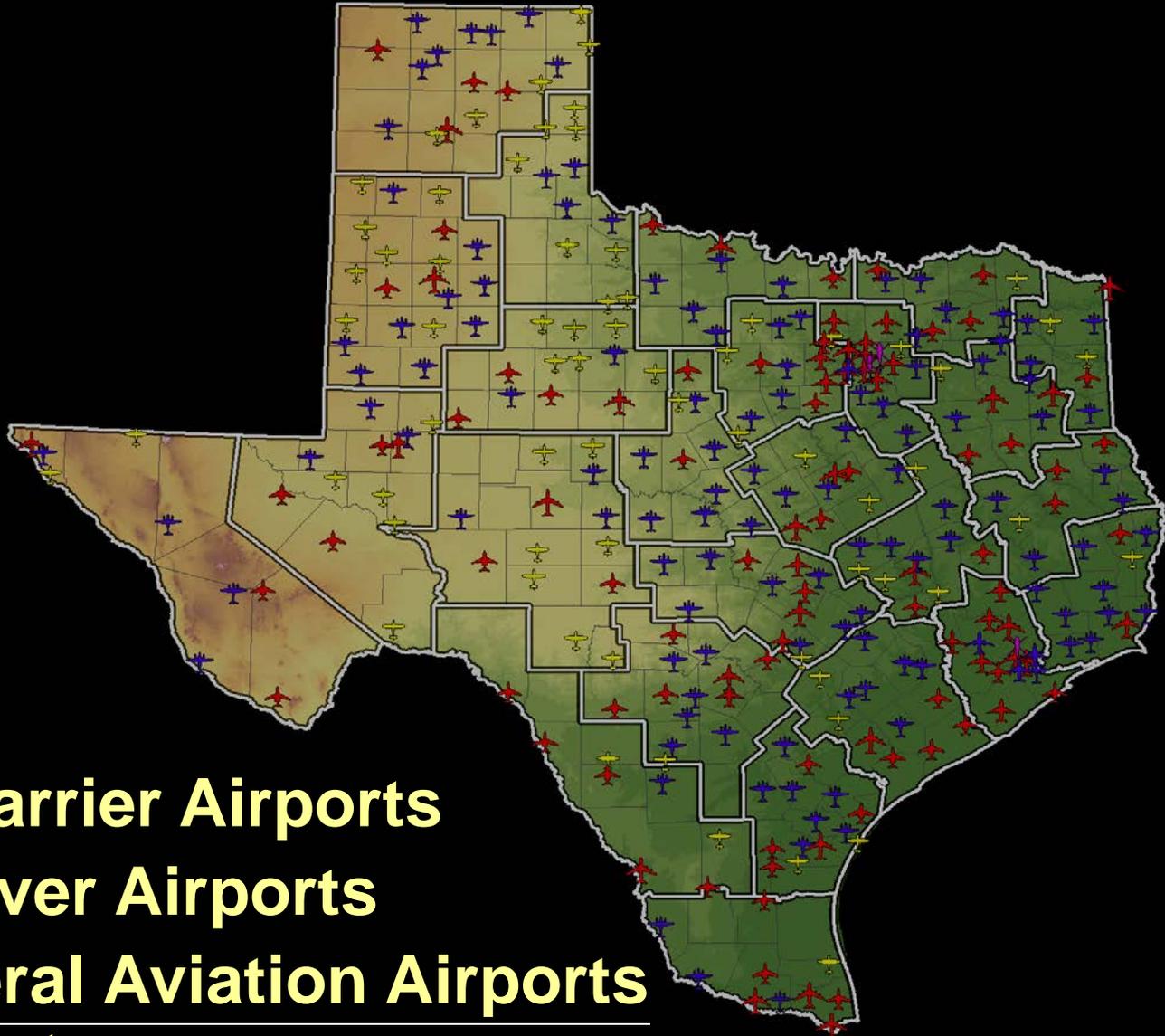


David Fulton

TxDOT Aviation Division

Presented to
Eighth National Aviation System Planning Symposium
May 21, 2012

Texas Airport System



26 Air Carrier Airports

21 Reliever Airports

257 General Aviation Airports

304 Airports

Aviation in Texas

- 304 Public "System" Airports
- 51,000 Certificated Pilots
- 19,400 Active Aircraft
- 8,500,000 Annual Flight Operations
- GA Economic Impact: \$14,500,000,000
- 56,600 Jobs

Source: 2011 Economic Impact General Aviation in Texas

What we did...

Where We Began in 1991



TxDOT projects have since changed the condition of Texas Airports





New Airport Site at Mount Pleasant



Sugar Land Municipal

Pavement Preservation



Pavement Rejuvenator at Conroe



Pavement Rehab at Caldwell Municipal

Navigational and Visual Aids



Automated Weather Observation System (A.W.O.S.)



**83 Sites
added in the
last 13 years**

**Now over 157
sites in Texas**

Plainview, Hale County Airport

General Aviation Terminal Building Program

42 in the last 17 years

Terminal Building Program



Sulphur Springs



Brenham

Terminal Building Program

Kerrville



Conroe



Terminal Building Program



Terminal Building Program



Fredericksburg



Del Rio

Terminal Building Program



New Braunfels



Mesquite

Terminal Building Program

Mount Pleasant



Terrell



Terminal Building Program



Dallas-Executive

Terminal Building Program



Sugar Land

Air Traffic Control Tower Program

15 in the last ten years

Air Traffic Control Towers



Sugar Land

Air Traffic Control Towers



Galveston

Air Traffic Control Towers



Arlington

Air Traffic Control Towers



Dallas-Executive

Air Traffic Control Towers



Georgetown

Air Traffic Control Towers



Conroe – Lone Star Executive

Fueling Systems

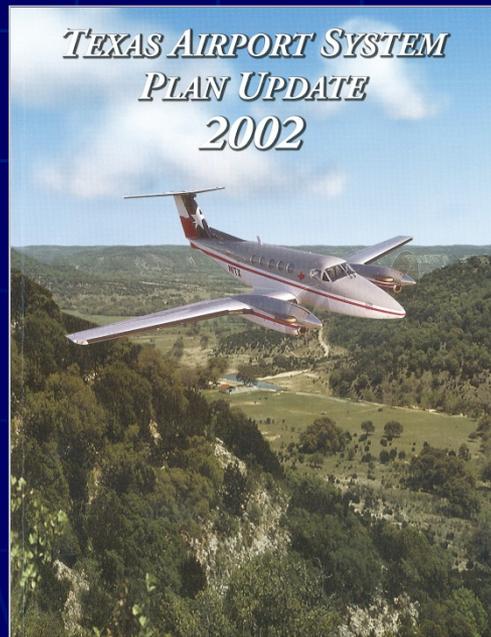
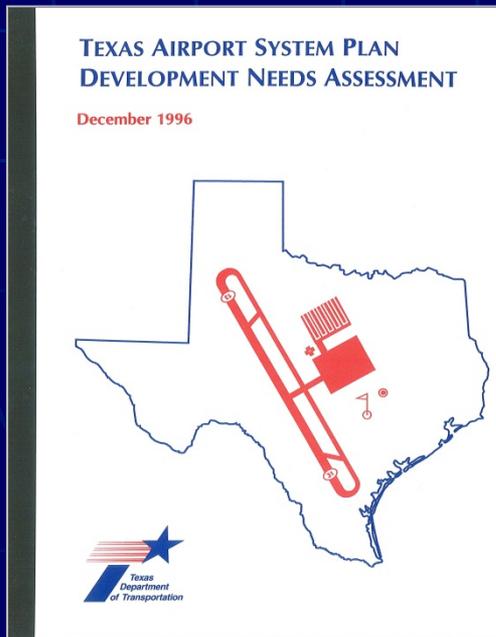
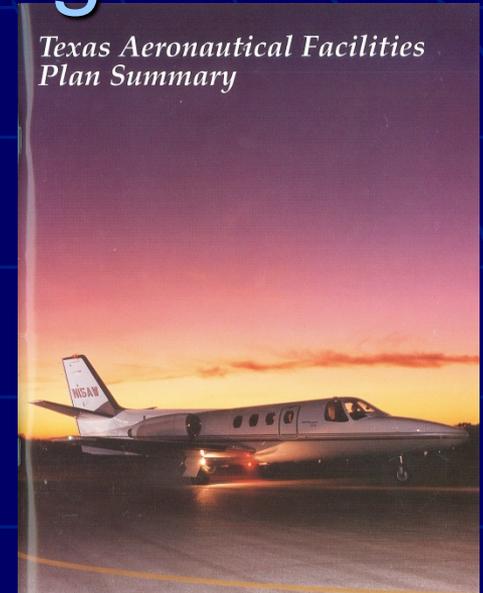


Hangars

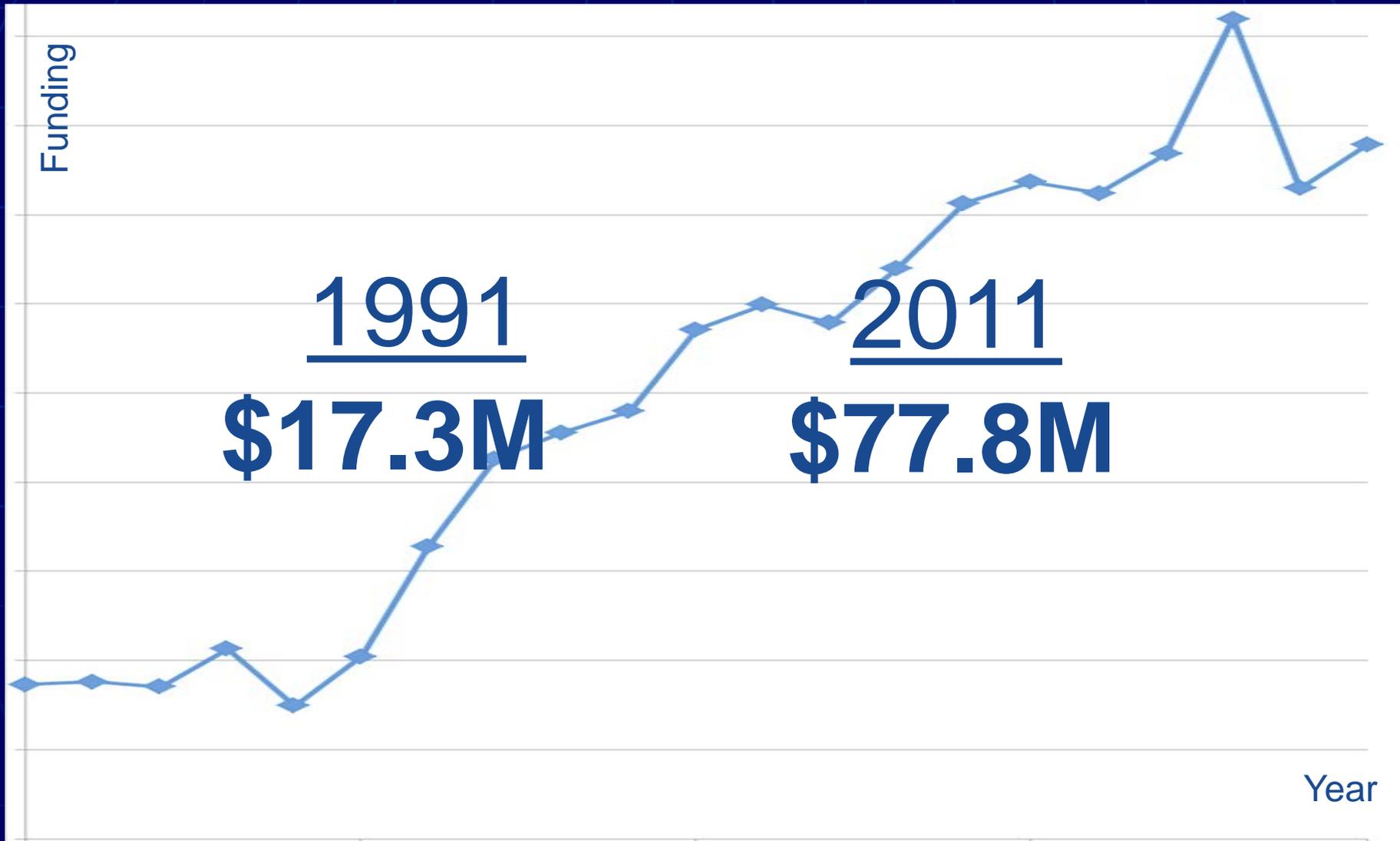


How we did it...

Airport System Planning



Airport Grant Funding

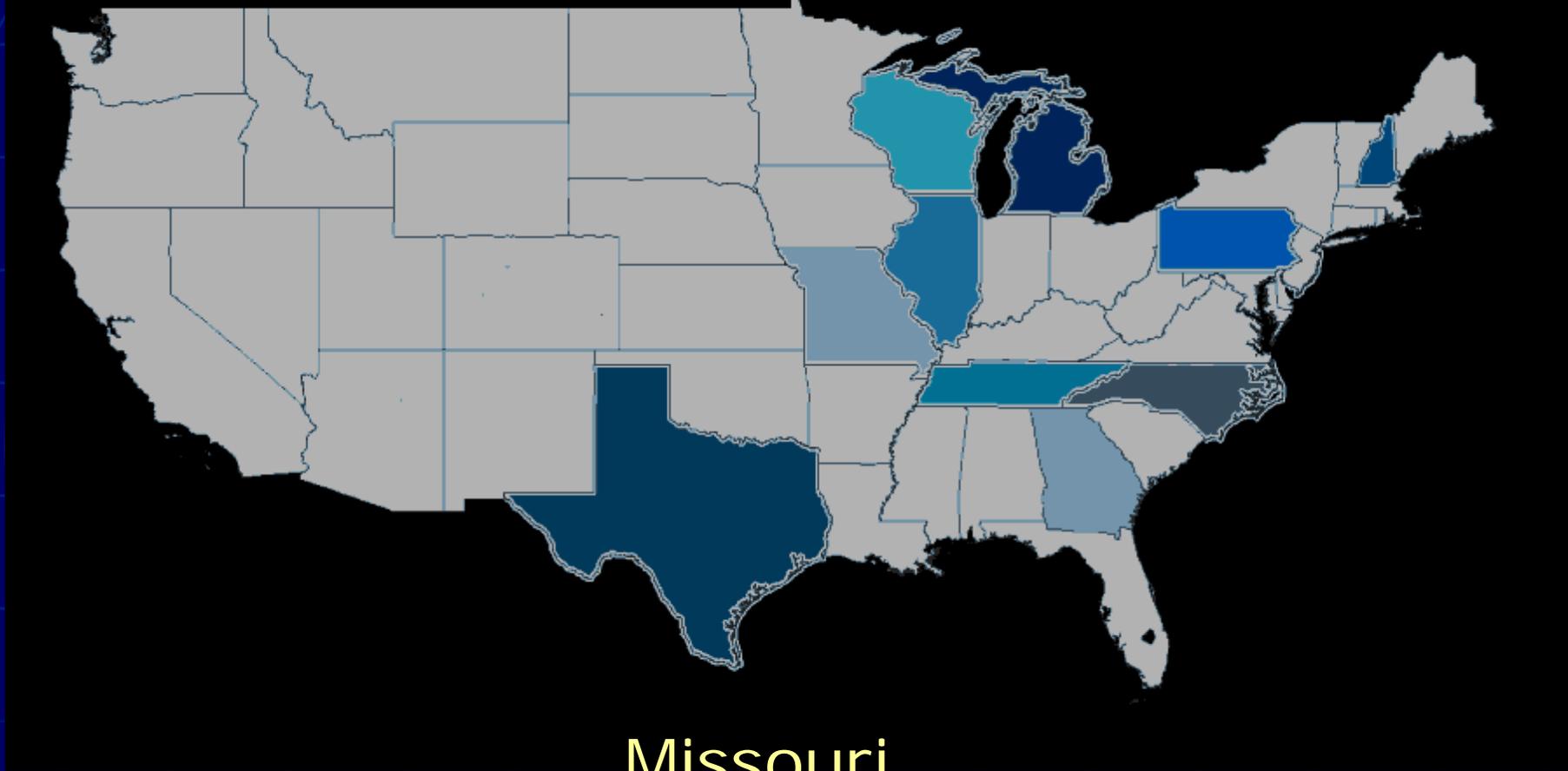


Grant Program Funding

1991 → 2011

\$1.05 Billion Total

State Block Grant Program



Georgia
Illinois
Michigan

Missouri
New Hampshire
North Carolina
Pennsylvania

Tennessee
Texas
Wisconsin

Primary Duties and Responsibilities

- Issuance of State & Federal Grants

 - General Aviation, Reliever &*

 - Non-Primary Commercial Service Airport Development*

- Technical & Financial Management of Grants

- As Agent, Provide *(at no cost)*:

 - Planning*

 - Engineering*

 - Construction Management*

 - Grant Management and Control*

 - Property Acquisition*

- Aviation Education for Operators & Users

- Insure Operational Safety & Efficiency

 - Standards & Safety Inspections*

- Assistance in:

 - Height Hazard Zoning*

 - Air Service Development*

- General Advocate for Aviation

TxDOT Aviation Grant Programs

- **Capital Improvement Projects (CIP)**
 - 90/10 cost share (Federal AIP/Local) or (State/Local)
- **Routine Airport Maintenance Program (RAMP)**
 - Program provides assistance for “lower cost” airport improvements
 - Airside 1st priority
 - Landside 2nd priority
 - 50/50 cost share up to \$100,000 per fiscal year (Sept 1st – Aug 31st)
 - Agreement must be in place prior to the commencement of work
- **Automated Weather Observation System (AWOS)**
 - 75/25 cost share (estimated cost \$140,000)
 - Letter of interest *
- **Hangar Building Program**
 - 90/10 for construction to a max of \$600,000 in grant funding
 - Letter of interest *

TxDOT Aviation Grant Programs

■ Terminal Building Program

- Eligibility:
 - Publicly owned or leased by a public entity for at least 20 years
 - On-site airport manager or designee during normal business hours
 - Airport must have aviation fuel available for sale to the flying public
- 50/50 cost share for design and construction up to \$1,000,000
- 50/50 cost share for vehicle parking & entrance road up to \$100,000
- 90/10 cost share for aircraft parking apron in addition to the building grant amount
- Letter of interest *

■ Air Traffic Control Tower Program

- 90/10 cost share up to \$1,666,667
- Cost includes structure and electronics
- Must meet FAA benefit/Cost Analysis (BCA)

Routine Airport Maintenance Program (R.A.M.P.)

- \$50,000 in Annual Matching Funds (50/50)
- For a total of \$100,000 per year

Used for: **Maintenance** and **Small "Time Critical" Capital Improvements**

\$37.6 million
distributed via RAMP
from 1996 through
Fiscal Year 2010

(\$18.2m State fund,
\$19.4m Local)



Routine Airport Maintenance Program (R.A.M.P.)

Airside Maintenance

- Crack Seal
- Slurry/Fog seal/Rejuvenator
- Pavement Markings
- Pavement Repairs
- Drainage Maintenance
- Sweeping
- Herbicide, Tree Removal
- Lighting Maintenance & Repair

Landside Maintenance

- Non-Airside Pavement
- Security Systems
- Fencing
- AWOS & Navigational Aids
- Entrance Signs
- Landscaping
- SWPPP & SPCC Plans

Small Capital Improvements

- Entrance & Access Roads
- Parking
- Drainage Improvements
- Apron Expansion
- Small Buildings
(Pilots Lounge/Terminal)
- Lighting System Expansion
- Water & Septic Systems

Ineligible Work Items

- Purchase of Capital Outlay Equipment
- Operating Expenditures
- Consumables
- Force Account Work by Sponsor
- Cost of EPA Remediation

Dave's

Top Ten

Requirements for a Successful Airport (In order of importance)

1. Good Community and Local Government Support
2. A Good On-Site Airport Manager
3. An Airport Infrastructure Adequate to Meet Current and Future Needs
4. All Weather Capability
5. A Public Facility Adequate to Meet Local and Transient Needs
6. Weather Information
7. 24 Hour Fuel Services
8. Secure Aircraft Storage Capability
9. Maintenance, Charter, Flight Instruction and Other Services
10. Ground Transportation Availability

Thanks!